

SEPARATOR FOR ALKALINE ZINC STORAGE BATTERY AND ALKALINE ZINC STORAGE BATTERY

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Applicant: YUASA BATTERY CO LTD; KYUSHU ELECTRIC POWER

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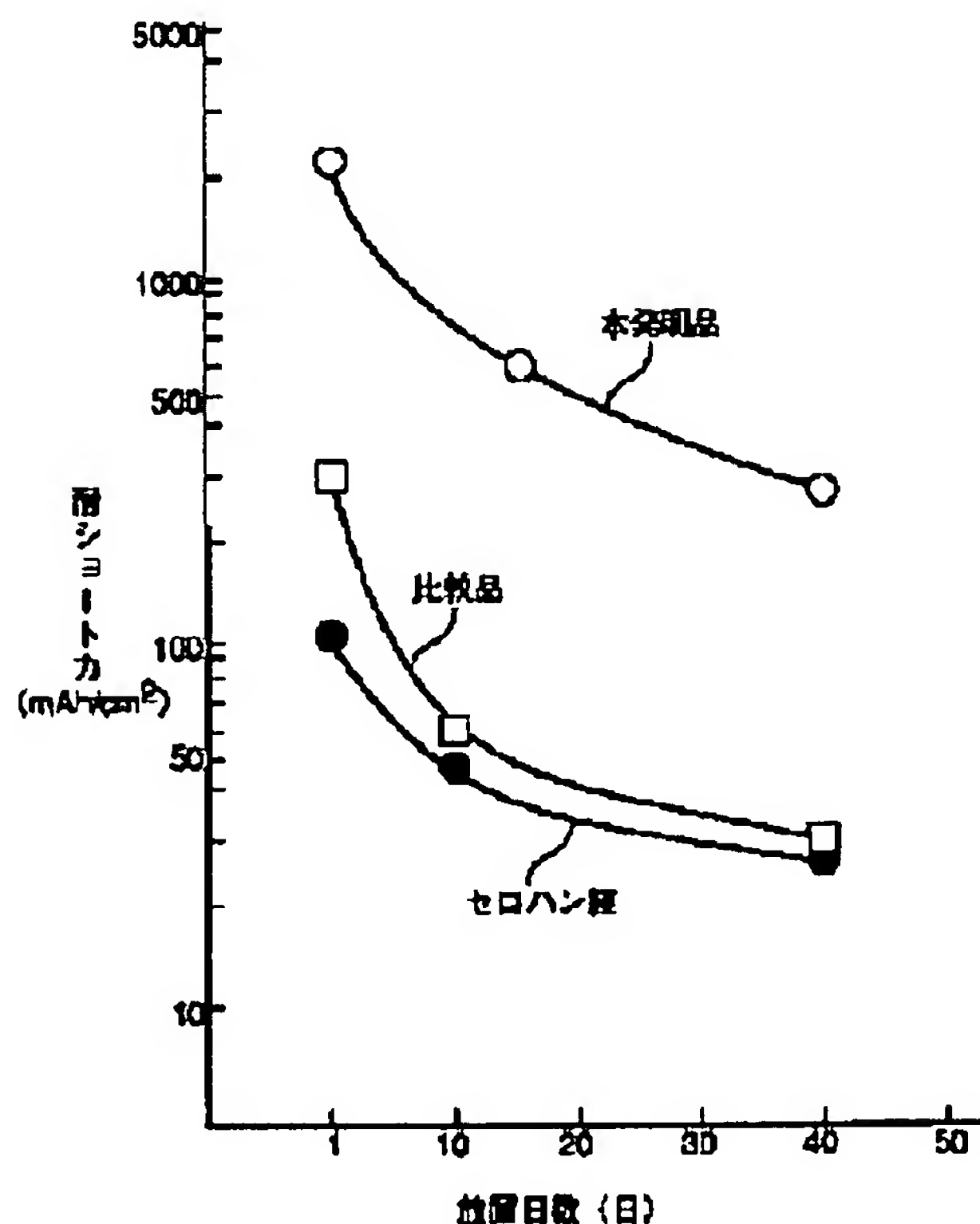
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Abstract of JP10275608

PROBLEM TO BE SOLVED: To provide a separator for an alkaline zinc storage battery, which is formed with a directly crosslinked type PVA film (polyvinyl alcohol) excellent in short-circuit resistance for a long time and ion permeability. **SOLUTION:** A separator for an alkaline zinc storage battery is formed with a directly crosslinked type polyvinyl alcohol film which is obtained through the swelling process wherein a polyvinyl alcohol film is swelled by dipping it in water, the radiating process wherein electron beam is applied to the polyvinyl alcohol film swollen with water to crosslink between polymer main chains and the drying process of drying the crosslinked polyvinyl alcohol film. In the swelling process, the polyvinyl alcohol film with a degree of polymerization of 1500 or more and a degree of saponification of 98% or more is dipped in water at 20-90 deg.C.



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